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PTO/SB/01 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>	<b>Attorney Docket Number</b>	EMCORE 3.0-085 (EMCORE 085)
	<b>First Named Inventor</b>	Bryan S. Shelton
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	Not Yet Assigned
	<b>Filing Date</b>	
	<b>Group Art Unit</b>	N/A
<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	<b>Examiner Name</b>	Not Yet Assigned

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

LATERAL CONDUCTION SCHOTTKY DIODE WITH PLURAL MESAS

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application No.

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

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## DECLARATION — Utility or Design Patent Application

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 000530

Direct all correspondence to:		<input checked="" type="checkbox"/> Customer Number or Bar Code Label	000530	OR	<input type="checkbox"/> Correspondence address below
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Country		Telephone		Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Bryan S.		Family Name or Surname	
				Shelton	
Inventor's Signature		<i>Bryan S. Shelton</i>		Date	
				01/12/04	
Residence: City		State		Citizenship	
Bound Brook		NJ		United States of America	
Mailing Address:		414 William Street			
City		State		Country	
Bound Brook		NJ		United States of America	
ZIP		08805			
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Linlin		Family Name or Surname	
				Liu	
Inventor's Signature		<i>Linlin Liu</i>		Date	
				1/04/04	
Residence: City		State		Citizenship	
Hillsborough		NJ		China	
Mailing Address:		28 Deanna Drive Apt. 49			
City		State		Country	
Hillsborough		NJ		United States of America	
ZIP		08844			
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>2</u> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

LD-537A

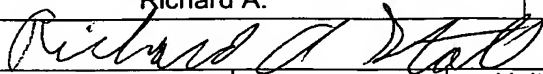
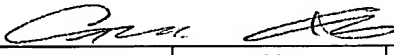
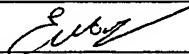
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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> <div style="text-align: right;">Page <u>3</u> of <u>4</u></div>
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<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Alex D.		Ceruzzi	
Inventor's Signature <i>Alex D. Ceruzzi</i>		Date <u>11/14/04</u>	
Princeton Junction Residence: City	NJ State	United States of America	US Citizenship
Mailing Address: 6 Stanford Place			
Princeton Junction City	NJ State	08550 Zip	United States of America Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Michael		Murphy	
Inventor's Signature <i>Michael Murphy</i>		Date <u>1/12/04</u>	
Somerset Residence: City	NJ State	United States of America	US Citizenship
Mailing Address: 9J One JFK Boulevard			
Somerset City	NJ State	08873 Zip	United States of America Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Milan		Pophristic	
Inventor's Signature <i>Milan Pophristic</i>		Date <u>1/12/04</u>	
North Brunswick Residence: City	NJ State	United States of America	Serbia and Montenegro Citizenship
Mailing Address: 500 Adams Lane Apt. 10N			
North Brunswick City	NJ State	08902 Zip	United States of America Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Boris		Peres	
Inventor's Signature <i>Boris Peres</i>		Date <u>1/13/04</u>	
Jersey City Residence: City	NJ State	United States of America	Russian Federation Citizenship
Mailing Address: 20 River Court Apt. 1510			
Jersey City City	NJ State	07310 Zip	United States of America Country

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S) Supplemental Sheet</b>
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<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Richard A.		Stall	
Inventor's Signature 		Date <u>1/19/04</u>	
Residence: City Belle Mead	State NJ	United States of America	Citizenship US
Mailing Address: 106 Woodview Drive			
City Belle Mead	State NJ	Zip 08502	Country United States of America
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Xiang		Gao	
Inventor's Signature 		Date <u>1/19/04</u>	
Residence: City Edison	State NJ	United States of America	Citizenship China
Mailing Address: 78 College Drive			
City Edison	State NJ	Zip 08817	Country United States of America
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Ivan		Eliashevich	
Inventor's Signature 		Date <u>1/09/04</u>	
Residence: City Maplewood	State NJ	United States of America	Citizenship Russian Federation
Mailing Address: 514 Prospect Street			
City Maplewood	State NJ	Zip 07040	Country United States of America
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address:			
City	State	Zip	Country